

# *Medical Mass Spectrometry*

**Vol. 6 No. 1, 2022**  
**Guest Editor, Nariyasu Mano**

## Preface

- The 46th Annual Meeting of the Japanese Society for Biomedical Mass Spectrometry ..... Nariyasu Mano, Makoto Arita, Toshimitsu Niwa 1

## Review

- Toxicological analysis on forensic investigation in drug related cases; pharmacological information on 88 psychoactive substances in “Narcotics and Psychotropics Control Act” in Japan ..... Koutaro Hasegawa, Osamu Suzuki 2

## Research Papers

- Endocannabinoid 2-AG inhibits the release of dopamine from PC12 cells ..... Hiroshi Ochi, Yukari Hirata, Makoto Hamajima, Shuji Kozawa, Kazuo Igarashi, Ichiro Isobe 27
- Urinary kidney injury molecule-1 as early diagnostic marker of chronic kidney disease in cats ..... Hiroto Maeda, Kurumi Igarashi, Mako Ishidoya, Mamoru Satoh, Toshifumi Watanabe, Fumio Nomura, Kazuyuki Sogawa 36
- Effects of 11 $\beta$ -hydroxysteroid dehydrogenase 2 activity on the prediction accuracy of plasma unbound cortisol concentration based on salivary cortisol ..... Akitomo Yokokawa, Aya Kitano, Daichi Tanaka, Kai Higashi, Shun Yanada, Kohei Shimizu, Tomomi Furihata, Hiromi Shibasaki 45
- Shifting the linear range of the calibration curves for the quantification of oral molecular-targeted anticancer drugs and the active metabolite in human plasma using LC-ESI-MS/MS ..... Tensei Hirasawa, Masafumi Kikuchi, Shinya Takasaki, Masaki Kumondai, Yu Sato, Toshihiro Sato, Eishi Imoto, Yoshihiro Hayakawa, Masamitsu Maekawa, Nariyasu Mano 52

## Short Communication

- Evaluation of five drug screening devices for testing of amphetamines and methamphetamine ..... Masae Iwai, Tadashi Ogawa, Tomohito Matsuo, Fumio Kondo, Katsutoshi Kubo, Hiroshi Seno 64



**Japanese Society for  
Biomedical Mass Spectrometry**